

## Web Soil Survey – Soil Report

### I. AOI Inventory

- A. Brief Map Unit Description
  - 1. Non-technical Description
    - a) AGR
    - b) SOI-5
- B. Component Legend
  - 1. Component Name
  - 2. Component Kind
  - 3. Percent Slope
    - a) Low
    - b) RV
    - c) High
- C. Map Unit Legend
- D. Selected Soil Interpretations
- E. Selected Survey Area Interpretation Descriptions
- F. Survey Area Data Summary

### II. Building Site Development

- A. Dwellings and Small Commercial Buildings
  - 1. Dwellings without Basements
  - 2. Dwellings with Basements
  - 3. Small Commercial Buildings
- B. Roads and Streets, Shallow Excavations, and Lawn and Landscaping
  - 1. Local Roads and Streets
  - 2. Shallow Excavations
  - 3. Lawns and Landscaping

### III. Construction Materials

- A. Source of Reclamation Material, Roadfill, and Topsoil
  - 1. Potential as a Source of Reclamation Material
  - 2. Potential as a Source of Roadfill
  - 3. Potential as a Source of Topsoil
- B. Source of Sand and Gravel
  - 1. Potential as a Source of Gravel
  - 2. Potential as a Source of Sand

### IV. Land Classifications

- A. Hydric Soils
  - 1. Component
  - 2. Percent of Map Unit
  - 3. Landform
  - 4. Hydric Rating
  - 5. Hydric Criteria
- B. Prime and other Important Farmland
- C. Taxonomic Classification of the Soils

### V. Land Management

- A. Damage by Fire and Seedling Mortality on Forestland
  - 1. Potential for Damage to Soil by Fire
  - 2. Potential for Seeding Mortality
- B. Forestland Planting and Harvesting
  - 1. Suitability for Hand Planting
  - 2. Suitability for Mechanical Planting
  - 3. Suitability for Use of Harvesting Equipment
- C. Forestland Site Preparation
  - 1. Suitability for Mechanical Site Preparation (Surface)
  - 2. Suitability for Mechanical Site Preparation (Deep)
- D. Haul Roads, Log Landings, and Soil Rutting on Forestland
  - 1. Limitations Affecting Construction of Haul Roads and Log Landings
  - 2. Suitability for Log Landing
  - 3. Soil Rutting Hazard
- E. Hazard of Erosion and Suitability for Roads on Forestland
  - 1. Hazard of Off-Road or Off-Trail Erosion
  - 2. Hazard of Erosion on Roads and Trails
  - 3. Suitability for Roads (Natural Surface)

### VI. Recreation Development

- A. Camp Areas, Picnic Areas, and Playgrounds
  - 1. Camp Areas
  - 2. Picnic Areas
  - 3. Playgrounds
- B. Paths, Trails, and Golf Fairways
  - 1. Paths and Trails
  - 2. Off-Road Motorcycle Trails
  - 3. Golf Fairways

### VII. Sanitary Facilities

- A. Landfills
  - 1. Trench Sanitary Landfill
  - 2. Area Sanitary Landfill
  - 3. Daily Cover for Landfill
- B. Sewage Disposal
  - 1. Septic Tank Absorption Field
  - 2. Sewage Lagoon
- C. Sewage Disposal (NJ)

1. Disposal Field
  2. Type Permitted
  3. Suitability Class
- VIII. Soil Chemical Properties
- A. Chemical Soil Properties
1. Cation Exchange Capacity
  2. Effective Cation Exchange Capacity
  3. Soil Reaction
  4. Calcium Carbonate
  5. Gypsum
  6. Salinity
  7. Sodium Absorption Ratio
- IX. Soil Erosion
- A. RUSLE2 Related Attributes
1. Hydrologic Group
  2. Kf
  3. T Factor
  4. Representative Values
    - a) % Sand
    - b) % Silt
    - c) % Clay
- X. Soil Physical Properties
- A. Engineering Properties
1. USDA Texture
  2. AASHTO
  3. Unified
  4. Fragments > 10 inches
  5. Fragments 3 to 10 inches
  6. Percent Passing Sieve Number
    - a) 4
    - b) 10
    - c) 40
    - d) 200
  7. Liquid Limit
  8. Plasticity Index
- B. Physical Soil Properties
1. % Sand
  2. % Silt
  3. % Clay
  4. Moist Bulk Density
  5. Saturated Hydraulic Conductivity
  6. Available Water Capacity
  7. Linear Extensibility
  8. Organic Matter
  9. Erosion Factor
    - a) Kw
    - b) Kf
    - c) T
  10. Wind Erodibility Group
  11. Wind Erodibility Index

- XI. Soil Quality and Features
- A. Soil Features
1. Restrictive Layer
    - a) Kind
    - b) Depth to Top
    - c) Thickness
    - d) Hardness
  2. Subsidence
    - a) Initial
    - b) Total
  3. Potential for Frost Action
  4. Risk of Corrosion
    - a) Uncoated Steel
    - b) Concrete
- XII. Vegetative Productivity
- A. Forestland Productivity
1. Potential Productivity
    - a) Common Trees
    - b) Site Index
    - c) Volume of Wood Fiber
  2. Trees to Manage
- B. Irrigated and Nonirrigated Yields by Map Unit
1. Land Capability Class
  2. Land Capability Subclass
- C. Irrigated and Nonirrigated Yields by Map Unit Component
1. Land Capability Class
  2. Land Capability Subclass
- D. Irrigated Yields by Map Unit
1. Land Capability Class
  2. Land Capability Subclass
- E. Irrigated Yields by Map Unit Component
1. Land Capability Class
  2. Land Capability Subclass
- F. Nonirrigated Yields by Map Unit
1. Land Capability Class
  2. Land Capability Subclass
- G. Nonirrigated Yields by Map Unit Component
1. Land Capability Class
  2. Land Capability Subclass
- XIII. Waste Management
- A. Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge
1. Application of Manure and Food-Processing Waste
  2. Application of Sewage Sludge
- B. Agricultural Disposal of Wastewater by Irrigation and Overland Flow
1. Disposal of Wastewater by Irrigation
  2. Overland Flow of Wastewater

C. Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

1. Rapid Infiltration of Wastewater
2. Slow Rate Treatment of Wastewater

D. Large Animal Carcass Disposal

1. Large Animal Carcass Disposal, Pit
2. Large Animal Carcass Disposal, Trench

XIV. Water Features

A. Water Features

1. Hydrologic Group
2. Surface Runoff
3. Month
4. Water Table

- a) Upper Limit
- b) Lower Limit

5. Ponding

- a) Surface Depth
- b) Duration
- c) Frequency

6. Flooding

- a) Duration
- b) Frequency

XV. Water Management

A. Ponds and Embankments

1. Pond Reservoir Areas
2. Embankments, Dikes, and Levees
3. Aquifer-fed Excavated Pond

